

Jan 66

Removing Salt From Brown Coal by the Ion  
Exchange Method, by Wladyslaw Olczakowski  
24 pp.

POLISH, per, Prace Glownego Instytutu  
Gornictwa, 1964

\*TT 70-55024

AVAILABLE FROM USDI/BM ONLY

Sci/phys  
Feb 70

Explosives (Mining)

POLISH, per, Główny Instytut Górnictwa, Komunikat,  
No 134, 1953; No 159, 1954.

\*PL-480

Sci  
Mar § 62

A Study of the Internal Surface of Coals by the  
Dye-Adsorption Method, by Maria Wacłowska,  
Sejciech Olpinaki, 39 pp.

POLISH, per, Prace Ołownego Instytutu Górniczego,  
No 136, Series B, 1953, pp 1-26. 9208366

PL-480  
OTB-60-21371

Sci - Phys

Jun 63

Dep. 500  
TN 7 834 234,993  
770 995

Influence of Various Factors on the Quality of Brown  
Coal Briquets and Semi-Coke From Colliery "A", by  
Jozef Janczur, Stefan Rosinski, 20 pp.

POLISH, per, Prace Glownego Instytutu Gornictwa,  
No 137, 1953, 15 pp. 9077227

OTS 60-21263

PL-480

444 844

717 557

1/1 427

Sci - Fuels  
Jul 61

159,936

Spontaneous Ignition of Bituminous Coal, by  
W. Olpinaki, P. Gabrys, 69 pp.

POLISH, per, Prace Glownego Instytutu Górniczego,  
No 139, 1953, pp 1-38. 9091955

QTS 60-21354  
FL-480

Sci - Chem

210,943

Sep 62

Battaglia, Andrzej.  
STUDIES ON HYDROCYCLONES (PRINCIPLES OF  
OPERATION, DESIGN AND APPLICATION) (Badania  
nad Hydrocyklonami. Działanie, Konstrukcja i  
Zastosowanie) tr. by D. Brzostowska. 1961. 52p.  
19 refs. PL-480 Int.  
Order from OTS \$0.50

60-21264

Trans. of Główny Instytut Górnictwa. [Komunikat]  
(Poland) 1953, no. 144. 23p.

DESCRIPTORS: \*Towers (Chemistry). Design, Opera-  
tion, Tests.

(Engineering--Chemical. TT, v. 7, no. 7)

60-21264

- I. Title: Hydrocyclones
- I. Battaglia, A.
- II. PL-480 Int (60-21264)
- III. National Science Foundation,  
Washington, D. C.

143, 877

Office of Technical Services

Chemical Properties and Classification of  
Polish Flame Coals, by B. Roga and A.  
Ihnatowicz.

POLISH, per, Prace Głównego Inst Gornictwa,  
Seria, No 142, 1954, pp 3-10.

*DP*

<sup>2</sup>  
INSDOC-T1923

Sci

Aug 58

*72,440*



Types of Polish Coals in the Light of Modern  
Views on the Structure of Coal, by G. Roga,

POLISH, per, Prace Głównego Inst Gornictwa,  
Ser B, No 152, 1954, pp 2-16.

IN3DOC-T1923

Sc1

Aug 58

72,441

The Swelling of Coal and Its Structure: the Role of  
Hydrogen Bonds, by Roman Pampush, 20 pp.

POLISH, per, Prace Glownego Instytutu Gornictwa,  
No 153, 1954, pp 1-16. 9691952

OTS 60-21357

PL-480

25/198/F. 136/7  
211,139

Sci - Chem

Sep 62

Development of a Method for Determining the Porosity  
and Fissuration of Coke, by Maria Weclawska,  
Stanislaw Heilpern, 25 pp.

POLISH, per, Prace Glownego Instytutu Gornictwa,  
No 156, 1954, pp 1-10. 9087245-

(OTB 60-2130)  
FL-480

Sci - Fuels

201,178

Jun 62

Characteristics of Low-Temperature Tars From Some  
Polish Bituminous and Brown Coals, by Blazej Hoga,  
Maria Ihnatowicz, 38 pp.

POLISH, per, Prace Glownego Instytutu Gornictwa,  
Ser B., No 161, 1954, pp 1-16. 909/950

ONS 60-21361  
PL-480

Sci - Chem

211, 137

Sep 62

Problems of the Coking Process, by J. Nadziakiewicz,  
54 pp.

POLISH, per, Prace Glownego Instytutu Gornictwa,  
No 162, 1954, pp 3-20.

OTS 61-11351      54-11351

PL-480

Sco-M & M  
June 64

261,761

Spectrophotometric Analysis of Bituminous Coal Ash,  
by Maria Weclawska, 36 pp.

POLISH, per, Prace Glownego Instytutu Gornictwa,  
No 163, 1954, pp 1-15. 9087244

OTS 60-21370  
FL-480

Sci - Fuels

Jun 62

201,179

Problem of Producing Metallurgical Coke from  
Weakly-Coking and Non-Coking Coals, by  
J. Radzinkiewicza.

POLISH, per, Prace Głównego Instytutu Górnictwa,  
Comm, 172, 1955, pp 1-11.

UKSM T-1628

May 58

63,867

Differential Thermal Analysis of Bituminous and  
Brown Coals, by Roman Pampuch, Elazoj Arge, RI 99.

POLISH, per, Prace Głównego Instytutu Górnictwa,  
No 183, 1956, pp 1-15. ~~9094435~~

OTS 60-21353  
PL-480

177,546

Sci - Chem

Dec 61



The Weathering of Coal, by B. Rogn, R. Pampuch.

POLISH, per, Prace Głównego Inst Gornictwa, No  
183, Series B, 1956, pp 1-10.

JPRS/IC-226

Dept of Int  
US Bur of Mines  
Central Exper Sta  
Pittsburgh, Pa. No 349

Sci - Fuels

May 59

87,740

Tests on the Mild Oxidation of Bituminous  
Coal, by A. Innatowicz, J. Jastrzebski.

POLISH, per, Prace Głównego Instytutu Górniczego,  
No 208, 1950, p 6.

Sci - fuels

Sep 61

Dept of Interior  
TNT MS7 No 4/3  
OTS 60-21270  
(PL-480)

168,520

Properties of Low-Temperature Benzine From Polish  
Bituminous Coals, by Marie Ihnatowicz, 18 pp.

POLENN, per, Prace Glownego Instytutu Chemii,  
No 211, 1958, 11 pp. 9077226

OTB 60-21271

PL-480

*Exp. 1st set*  
TN 9 E 8 7 159,938

Sci - Fuels  
Jul 61

*1/10 157*

Studies on Accelerating the Settling of Coal Slurries  
With Organic Flocculants, by T. Milecki, E. Przeworski  
16 pp.

POLISH, per, Prace Głównego Instytutu Górnictwa,  
No 214, 1958, pp 1-12. 9094485

OTS 60-21295  
PL-480

177,527

Sci - Chem

Dec 61.

Economic Effectiveness of Investments in the  
Preparation of Coarse Coal Sizes, by Alfred M.  
Kabiesz, 39 pp.

POLISH, per, Prace Głównego Instytutu Górnictwa,  
No 215, 1958, pp 1-18. 9091959

ONS 60-21274

PL-480

24/19/F. 1947  
210,951

Ekur - Poland

Ecen

800 62

Composition and Chemical Structure of Brown  
Coals From Various Coalfields (Proximate and  
Ultimate Analyses, Rational Analysis and  
Determination of Functional Group Content, by  
B. Roga, L. Wnekowaka, 48 pp.  
POLISH, per, Prace Glownego Instytutu Gornictwa,  
Komunikat, No 220, 1958, pp 3-28.  
OTS 61-11350  
PL-480

Sci - M/M  
Arp 64

257,416

High-Pressure Hydraulic Transportation of Coal,  
by M. Borecki, T. Radowicki, 84 pp.  
POLISH, per, Prace Glownego Inst Gornictwa,  
Ser A, No 226, 1958, pp 3-44.  
OTS 61-11356  
PL-480

Sci - M/M  
Nov 64  
Avail From LY/Serials

269,140

Tests on the Suitability of Calcined Sulphide Ores  
for Suspensions in Heavy Media, by Stanislaw Krajewski

POLISH, per, Główny Instytut Górnictwa. Komunikat,  
Vn No 232, 1959, 20 pp.

\*PL-460

Sci  
Jul 63



Coking Properties of Macerals of Mame Coals, by  
Jan Ziolkowski.

POLISH, per, Główny Instytut Górnictwa. Komunikat,  
No 237, 1959, 16 pp.

\*PL-480

Sci  
Jul 623

Formation of Channel in Under Gasification of  
Coal, by Jerzy Rauk, 29 pp.  
POLISH, per, Prace Glownego Instytutu Gornictwa,  
No 241, 1959, pp 1-15.  
OTS 61-11349  
PL-480

Sci - M/M  
Jun 64

260,406

Polarographic Determination of Metal Traces in  
Coal Ash of Bituminous Coal, by M. Weclewska,  
20 pp.  
POLISH, per, Prace Głównego Inst Gornictwa, Komunikat,  
No 242, 1960, pp 3-12.  
OTS 61-11350  
PL--480

Sci ~ M/M  
Apr 64

257,417

Contacting of Electrodes With the Coal Seam in  
Underground Electrolinkage of Coal, J. Rauk, 12 pp.  
POLISH, per, Prace Geolownego Instytutu Gornictwa,  
No 244, 1960, pp 1-8.  
OTS 61-11349  
PL-480

Sci - M/M  
Jun 64

260,407

Prace Głównego Instytutu Górnictwa. Komunikat nr 261.

General Method for Controlling Combustion Processes.

POLISH, per, Katowice, 1960, 16 pp.

\*PL 480

OTS 61-31322

1961

Principles of Interpretation of Physico-Chemical  
Processes in Underground Gasification of Coal by Air and  
Their Picture in Carried Out Experiments, by K.  
Dziunikowski.

POLISH, per, Główny Instytut Górnictwa. Komunikat,  
No 240, Ser A, 1970, 14 pp.

\*PL-480

Sci  
Jul 73

Tests on Removal of Excessive Amount of Adherent  
Moisture From Coal Washed With the Use of Chemicals, by  
T. Mielecki, Gerard Kirzeja.

POLISH, per, Główny Instytut Górnictwa. Komunikat,  
No 250, 1960, 22 pp.

\*PL-480

Sci  
Jul 63

A General Method for Controlling Combustion  
Processes, by Jerzy Muzyczuk, 41 pp.  
POLISH, per, Prace Glownego Instytutu Gornictwa,  
No 261, 1960, pp 1-17. 9221979  
OTS 61-31322  
PL-480

Sci - Phys  
May 64

257,694



Lead Irons and Methods of Casting Them Into Steel  
Bearing Sleeves, by M. Schneider, S. Balicki, 114  
UNCLASSIFIED

POLISH, Prace Glownago Inst Met, No 3, 1951, pp  
115-148.

Navy Tr 944/BUShips 547

Scientific - Minerals/Metals Feb 54 CTS/DEX

9357

Sintered Electrical Contacts. Part II- Production  
of the Contacts and Working Trials. by  
A. Krupkowski, W. Rutkowski, et al.  
POLISH, per, Prace Glownego Instytutu Metalurgii,  
Vol 3, 1951, pp 297-304.  
HB 6459

EE-Poland  
Sci/M&M  
May 65

280,714

Sintered Electric Contact Materials; Pt. III -  
Infiltration of Porous Tungsten With Copper and  
Silver, by W. Rutkowski, S. Stolars,

POLISH, per, ~~Prace~~ Prace Głównego Inst Metal,  
Vol IV, No 1, 1952, pp 67-81.

Bratcher Tr: 3481  
\$9.80

24,681

Scientific - Min/Metals

Jun 55 CTB

Study of the Production of Cobalt and Tungsten-  
Carbide Powders, by H. Rutowski, B. Razumowski,  
I. Glinaka, k

POLISH, per, Prace Glownego Inst. Metalurgii,  
Vol IV, 1952, No 4, pp 153-160.

Butcher Tr No 3487  
\$6.85

72,135

Scientific - Min/Metals

Apr  
May 55 CTS

Mineral Electrical Contacts. Part I - Preliminary,  
by A. Krupkowski, et al.  
POLISH, per, Prace Glownego Instytutu Metalurgii,  
Vol 3, 1961, pp 149-160.  
HB 6458

Sci/MMM  
Apr 68

277,107

Studies and Observations on *Armillaria mellea*  
(Vahl.) Quel. as the Cause of Mass Dying-Off  
of Forest Stands, by Zenon Twarowski and Irena  
Twarowska,

POLISH, per, Prace Instytutu Badawczego Lasnictwa,  
No 192, 1959, pp 3-63.  
CFSTI TT 66-57031

Sci-Agri  
Apr 68

352,223

A Method of Determining Translucence of the  
Stand-Canopy, by Stanislaw Matusz.  
POLISH, per, Prace Instytutu Badawczego Leśnictwa,  
No 202, 1960, pp 3-80.  
CFSTI TT 66-57027

Sci/Agri.  
Apr 68

351,272

Investigations on the Mycotrophy of the Spruce -  
Picea Excelsa (Lam.) Lk. in Poland, by  
Tadeusz Dominik.  
POLISH, per, Prace Instytutu Badawczego  
Lesnictwa, No 209, 1961, pp 59-102.  
CPSTI TT-65-50356

Sci/Agri  
Sep 67

339,575



Progress of an Outbreak of the Western Form of  
the Pine Sawfly (*Acantholyda nemoralis* Thoms.  
f. *serotina* W. K.) Report of Observations, by  
Jerzy Burzynski.

POLISH, per, Prace Instytutu Badawczego  
Lesnictwa, No 214, 1961, pp 89-112.

CISTI TT 66-57033

Sci/B&N  
Sep 67

339,573

Studies on the Mycotrophy of Plant Associations  
of the "Taborz Pine" Reservation in Taborz, by  
T. Dominik and H. Wojciechowska.  
POLISH, per. Prace Instytutu Badawczego Leśnictwa.  
No 228, 1961, pp 39-55.  
CFSTI TT 67-56024

Sci-Agri  
Apr 68

352,234

The Pine Bud Moth (*Exoteleia dodecella* L.), a  
Dangerous Pine Pest in Poland, by  
Zbigniew Siarpinski.  
POLISH, per, Prace Instytutu Badawczego Leśnictwa,  
No 247, 1962, pp 93-210.  
CFSTI TT 66-57026

Sci/Agri  
June 68

359,407

Investigation into Mycotrophy in the Pine  
Association, Starzenina Forest District,  
by T. Dominik, T. Hadoj.

POLISH, per, Prace Instytutu Badawczego  
Lesnictwa, No 259, 1963, pp 61-69.  
GFSHY TT 65-50357

Sci - Agri  
Oct 66

308,401

Investigations on the Annual Development  
Dynamics of Mycorrhizae in 40-year-old Spruce  
Stands, by Z. Twarowski.  
POLISH, per, Prace Instytutu Badawczego Lesnictwa,  
No 260, 1963, pp 72-102.  
CFSTI TT 66-57030

Sci/B&M  
Sep 67

339,572

*Suillus Grevillei* (Klotzsch) Sing and *Suillus  
aeruginascens* (Secr.) Snell in Biatowieza Botani-  
cal Park and in the Managed Part of Biatowieza  
Forest, by Roman Pachlewski.  
POLISH, per. Prace Instytutu Badawczego Lesnictwa,  
No 261, 1963, pp 103-117.  
CISTI TT 66-57024

Sci-Agri  
Apr 68

352,235

Effect of Individual Cooking Variables on the  
Properties of Bleachable Sulfate Papermaking  
Pulps from Pine, by I. Sender-Iaginska.  
POLISH, per, Instytut Celulozowo-Papierniczy  
Prace, Vol 2, 1953, pp 1-12.  
NTC-69-12831-111

Sci-Mat  
Sept 69

391,244

Production of Hot-Rolled Transformer Sheet With  
Low Core Losses, Part I, By M. Markuszewicz, J.  
~~Henry~~ Groyecki, A. Zawada.

POLISH, per, Prace IMH, Vol VI, No 3, 1954,  
pp 105-110.

Brutcher Trans 3573  
\$9.60

Sci - ~~Chemistry~~, Minerals/Metals

29,816



Production of Hot-Rolled Transformer Sheet With  
Low Core Losses, Part II, by H. Markuszewicz.

CZECH, per, Prace IMH, Vol VI, No 3, 1954,  
pp110-119.

Brutcher Tr  
No 3574

30,247

Scientific - Min/Metals  
Engineering

Jan 56 CTS/DEX  
\$9.80

Hardening of Iron-Ore Pellets, by B. Sowerynski,  
T. Wlazinska.

POLISH, per, Prace IMH, Vol VII, 1955, pp 30-34.

Brutcher Tr 3706  
\$4.65

Sci - Min/met  
Mar 58

60,358

Production of Metallic Lithium on a Laboratory  
Scale under Reduced Pressure, by R. Szarowicz  
and M. Ornan.

POLISH, per, Prace IMH (Poland), Vol VII, No 5/6,  
1955, pp 270-275.

3601

*Butcher Jr*

Sci

Aug 58

*71,901*

Sintered Friction Materials, by W. Cogieński.

POLISH, per, Prace IMH, Vol VII, No 7, 1955,  
pp 17-23.

37,417

Brutcher Tr 3711

Sci - ~~Engineering~~ Min/Metals

Aug 1956

\$3.80

Pelletizing of Iron Ores, by Z. Krotkiewski,  
B. Sewerynski,

POLISH, per, Prace DMH, Vol VII, 1955, pp 101-  
105.

Brutcher Tr 3707  
\$7.25

Sci - Min/met  
Mar 58

60,359

Production of Metallic Lithium on a Laboratory Scale  
Under Reduced Pressure, by T. Szarowicz, H. Orman.

POLISH, per, Prace IMH, Vol VII, No 5/6, 1955, pp 270-  
275.

Brutcher Tr 3601  
\$9.85

Sci - Min/Met

57,374

Jan 58

Reduction of Titanium and Silicon Dioxides with  
Magnesium at Normal Pressure, by W. Ruthven.

POLISH, par, Praca INI, Vol VIII, No 2, 1956,  
pp 85-88.

Henry Brutscher 4436  
\$6.85

Sci - Engr

Apr 59

84,306

Vacuum Melting of Steels and Other Iron-Base Alloys,  
by H. Zakow.

POLYMER, no per, ~~Rev~~ Prace IMH, Vol VIII, No 8,  
1956, pp 207-214.

Henry Brutscher

Tr No 3890

\$9.80

45, 116

Sci - Min/Metals  
Mar 1957 CIS/doc



63-17267

Maslanka-Ormanowa, Z.  
ELECTROLYTIC PREPARATION OF LEAD-CAL-  
CIUM ALLOYS. [1963] 53p.  
Order from K-H \$53.00 K-H 5866 c

Trans. of Prace Inst[ytutow] Hutnic[zych] (Poland)  
1953, v. 5, p. 89-104.

DESCRIPTORS: \*Lead alloys, \*Calcium alloys,  
\*Electrolysis, Preparation.

(Chemistry--Physical, TT, v. 10, no. 2)

- I. Maslanka-Ormanowa, Z.
- II. K-H-5866-c
- III. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Magnetic Balance for Measuring of Magnetic  
Properties of Ferro and Paramagnets in the Range  
of Temperatures Up to 900°C (260), by L. Kozłowski,  
J. Siewierski.

POLISH, per, Prace Instytutu Hutniczych, Vol IX,  
1957, 11 pp.

\*PL-430

Sci  
Jul 68

Simple Methods of Shape Oil Processing, by  
J. Graszien.

POLISH, per, Prace Instytutow Hutniczych, Vol. IX,  
No 4, 1957, 9 pp.

\*PL-480

Sci  
Jul 63

Deformation Rate in Hot Rolling, by Z. Wusatowski.

POLISH, per, Prace Instytut Hutniczy, No 2, 1958,  
pp 120-123.

NLL M. 4728

Sci - Min/Metals

Jul 62

The Determination of Nitrides of Aluminium,  
Silicon, Vanadium and Chromium in Carbon and Low  
Alloy Steels, by H. Weissmann. Iron

POLISH, per, Prace Inst Hutn, No 3, 1958, pp 180-183.

British Iron and  
Steel Ind 1202  
(Lh)

Sci - Chem  
May 59

86,821

Correlation Between the Thickness of the Plastic  
Layer of Coal and Its Decomposition Heat, by J.  
Nadziakiewicz, R. Pampuch.

POLISH, per, Prace Instytutu Hutniczego, Vol X,  
No 3, 1958, pp 71-78.

\*PL-480

Sci  
Jul 63

Effect of Heat Treatment Below the Temperature  $A_1$   
on the Properties of Low Carbon Steel for Boiler  
Sheets, by W. Cias.

CZECH to FRENCH, per, Prace Inst Hutnicz, No 10,  
1958, pp 95-108.

\*IRSID T 1244

185, Rue President-Roosevelt  
St. Germain-en-Laye  
~~(S-0)~~  
(S-et-O), France

Apr 60

The Intensity of Deformation During Rolling, by  
Z. Wusatowski. UNCL

POLISH, per, Prace Inst Hutn, No 2, 1955, pp 120-  
123.

British Iron and  
Steel Ind 1259

(12)

Sep 59

(Note: Info also under Neue  
Huette, Aug 1958, pp 494-497).



Physical and Chemical Changes Associated With the Transformation of Semicoke into Coke in the Temperature Range Between 500 and 1000°C by A. Kijewska.

POLISH, per, Prace Instytutow Hutniczych, No 2, 1958, pp 124-132

CSIRO Tr 4405

Oct. 62

ORDER FROM NTC

Investigations on the Sintering of Pure Oxides and  
XXX With Additives, by R. Pampuch, 38pp

HUNGARIAN, per, Prace Institute Hutniczych, Vol X,  
1958, pp 333-XX XXXX 347. 9219772

\*AEC - Th - 6159

Sci - Mat & Met  
Oct 63

Studies on High-Strength and Low-Porosity Carbon  
Products, by Roman Pampuch, 12 pp.  
POLISH, per, Prace Instytutow Hutniczych,  
Vol XI, No 1, 1959, pp 1-9.  
OTS 63-11382  
PL-480

~~XXXXXXXXXX~~

Sci - Chem

Nov 64

Avail From LY/Serials

269,133

Effect of the Austenitizing Temperature on  
Martensitic Transformation in Fe-Cr-Ni and  
Fe-C-Mn Alloys Below Room Temperature, by  
W. Cias.

POLISH, per, Prace Instytutow Hutniczych, No 1,  
1959, pp 55-69.

\*BISI 3242

Sci - M/M  
May 63

Oxidation Losses of Liquid Aluminum  
and Aluminium Alloys, by S. Balicki,  
J. Leitl.

POLIKH, per, Prace Instytut Hutniczy,  
Vol XI, No 2, 1959, pp 71-74.

HB 5214

Sci - Min/Mat

Feb 62

182,770

Determination of Pore Size Distribution in Refractory  
Materials, by R. Panguch.

POLISH, per, Prace Inst Hutn, No 11, 1959,  
pp 11-17.

BISI 1818

Sci + Eng

Feb 61

141,406

Elaboration of a Method of Measurement of the  
Carbonization Heat of Coals, by A. Kijewska, 14 pp.  
POLISH, per, Prace Instytutów Hutniczych, Vol XI,  
1959, pp 229-234. 9221978  
OTS 61-31319  
PL-480

Sci - M/M  
May 64

257,700



Hot Dip Galvanizing and Aluminizing of Steel  
Wire, by S. Socha.

POLISH, per, Prace Inst Hutnik, Vol XII,  
No 5, 1960, pp 239-247.

HB 5427

Sci.- Min/Met  
Apr 62

190, 711

Vacuum Decarburization and Nitriding of Ferro-  
manganese, by H. Zak, Z. Kulinskiy

POLISH, per, Prace Instytutow Hutniczych,  
Vol XIII, # No 1, 1961, pp 27-36.

BISI 2/69

Sci - M/M  
Feb 63

423638

A Study of Head Roll Wear, by Z. Wusatoski,  
H. Szyra.

POLISH, per, Prace Instytutow Etnicznych,  
Vol XIII, No 3, 1961, pp 153-172.

BIBI 3009

Sci - Hmgr  
May 63

230,738

Chemical Properties of the  $ZrO_2-SiO_2$   
System by R. Pampuch, 22 pp.

POLMAN, JAC, Frans Instytut Hutnictwa,  
Vol. 13, No 52, 1961, pp 229-237.  
9669946

FTD-TT-63-475

Sad - H/II

344,076

Sept 63

Nozzles and Stoppers for the Continuous Casting  
of Tube Steel, by I. Olbrychtowicz.

POLISH, per, Praca Inst. Hutn., Vol XIV, 1962,  
pp 285-289.

HB 6038

Sci.-MM/M

243, 590

Nov 63

Investigations Into Density and Density Distribution in  
Sintered-Metal Powder Compacts by the Electrical  
Conductivity Method, by W. Cegielski, & E. Waniewski.  
POLISH, per, Prace Inst Hutniczych, Vol XIV, 1962,  
pp 309-315.  
HB 6037

Sci - M/M  
Apr 64

258,963

Statistical Evaluation of Optimum Size of  
Flat Tensile Samples of Ductile Metals,  
by Z. Misiulek, 23 pp. FOR OFFICIAL USE ONLY  
POLISH, per, Prace Instytutu Hutnictwa,  
Vol XV, No 2, pp 73-82. ~~4430502~~  
PSTC HT-23-74-66 9700592  
ACSI I-9306  
ID 2204012266

Sci - M/H  
Jun 66

302,357

Volume Diffusion of W in Fe and FeW Alloys by a  
Radioisotope Technique, by J. Kieszniowski.  
POLISH, per, Prace Inst Hutn., Vol 15, 1963, pp 151-157.  
\*NTIS/NBS TT 71-54034

Available NBS Only

June 71



Electrolysis of Zinc Sulphate by Application of  
High Density Current, by D. Krupkova.  
POLISH, per, Prace Inst. Hutn., No 16, 1964,  
pp 7-43 - 47  
EZ

Sci -  
Jul 67

334,126

The Effect of Hot Working Conditions on the  
Re-crystallisation of Steels, by  
R. Wusatowski.  
POLISH, per, Prace Inst. Hutniczych, Vol 16,  
No 3, 1964, pp 113-125.  
BISI 4600

EH-Poland  
Sci/M&M  
Apr 66

298,917

Grynberg, Halina and Jarnuszkiewicz, Hanna.  
DETERMINATION OF ALDEHYDES IN GLYCEROL  
BY CHROMATOGRAPHY (Hosciowa Chromatograficzna  
Metoda Oznaczania Aldehydow w Glicerynie) tr. by  
W. Kulerski. 1962 [14p. 9 refs. PL-480 Agr.  
Order from OTS \$0.50 61-11383

Trans. of Prace Instytutow i Laboratoriow Badawczych  
Przemyslu Spozywczego (Poland) 1958, v. 8, no. 5,  
p. 55-66.

DESCRIPTORS: \*Glycerols, \*Aldehydes, Determination,  
\*Chromatographic analysis, Quantitative analysis,  
Colorimetry, Hydrazones, Phenyl radicals.

A chromatographic method was devised for determining  
aldehydes in glycerol. The aldehydes are precipitated  
as phenylhydrazones, and separated on acetylated paper.  
The spots are extracted, the phenylhydrazones are de-  
termined colorimetrically, and the aldehyde contents  
(Chemistry--Analytical, TT, v. 9, no. 9) (over)

61-11383

I. Grynberg, H.  
II. Jarnuszkiewicz, H.  
III. PL-480 Agr (61-11383)  
IV. National Science Founda-  
tion, Washington, D. C.

Office of Technical Services

61-11369

Beldowicz, M., Grynberg, H., and Szczepanska, H.  
DETERMINATION OF THE FATTY ACIDS OCCUR-  
ING IN PAPER CHROMATOGRAMS AS "CRITICAL  
PAIRS" (Oznaczanie Kwasow Tluszczowych  
Wystepujacych na Chromatogramie Bibulowym jako  
"Pary Krytyczne") tr. by W. Kulerski. 1962 [14]p.  
21 refs. PL-460 Agr.  
Order from OTS \$0.50

- I. Beldowicz, M.
- II. Grynberg, H.
- III. Szczepanska, H.
- IV. PL-460 Agr (61-11369)
- V. National Science Founda-  
tion, Washington, D. C.

Trans. of Prace Instytutow i Laboratoriow Badawczych  
Przemyslu Spozywczego (Poland) 1960, v. 10, no. 2,  
p. 69-83.

DESCRIPTORS: \*Fatty acids, Oils, Separation,  
\*Quantitative analysis, \*Paper chromatography.

Our investigations have confirmed chromatography with  
prior hydrogenation as a method useful in separating  
critical pairs. Our modification enables quantitative  
(Chemistry--Analytical, TT, v. 9, no. 7) (over)

Office of Technical Services

Method of Calculating Dual-Rotor Compressions for  
Ducted-Fan Engines, by J. Trachyk. 24 pp.  
POLISH, PWR, Warsaw. Instytut Lotnictwa. Prace  
No 23, 1964, pp 3-13.  
AIR/FID/IN-23-1141-67

sci/propulsion and fuels  
mar 69

377,823

Hypersonic Flows, by Robert Rowinsky,  
POLISH, per, Prace Instytut Lotnictwa,  
No 23, 1964, pp 36-54.  
\*AEC

Sci-  
Jnn 66

Brushes for Aircraft Electrical  
Equipment, by M. E. Kviryn Zuchowicz.  
24 pp.  
POLISH, per, Prace Instytut Lotnictwa,  
Warsaw, No 23, 1964, pp 55-62.  
ITD-TT-65-1279

Sci-Aeronautics  
Jan 67

317,498

Air Lubricated Bearings, by M. E.  
Sofia Bohacka. 25 pp.  
POLISH, per, Prace Instytut Lotnictwa,  
Warsaw, No 23, 1964, pp 63-72.  
TTD-TT-65-1279

Sci-Aeronautics  
Jun 67

317,499



Wind Tunnel for Studying Two-Bladed Grids at  
Greater Flow-Thorough Velocities, by Wojciech  
Brzozowski, 27 pp.  
POLISH, per, Prace Instytut Maszyn Przeplywowych,  
No 4, 1961, pp 13-41. 9695643  
FTD-TT-64-96

Sci - Phys  
Jan 65

270,453

About a Certain Case of Considerable Flow  
Through Capacity of a Grid of Control Blades,  
by J. Krzyzanowski, B. Weigle, 16 pp.  
POLISH, per, Prace Inst Maszyn Przeplywowych,  
No 18, 1963, pp 3-16. 9696771  
FTD-TT-64-1041

Sci - Engr  
May 65

280,414

Results of Studying the Flow Through Grids of  
Turbine Blades of Greater Degree of Reactivity at  
Velocities Exceeding the Speed of Sound, by  
J. Smigielski, A. Zabicki, 17 pp.  
POLISH, per, Prace Instytutu Maszyn Przeplywowych  
Polaka Ak Nauk, No 13, 1963, pp 19-36. 9695390  
FTD-TT-684-389

Sci - Engr  
Dec 64

269,756

Dynamic Properties of Thin, Semi-Infinite Cylindrical Shells Exposed to Stationary Vibrations,  
by Josef Wieckowski.

POLISil, per, Prace Inst Maszyn Przeplywowych,  
Polska Akad Nauk, No 20, 1964, pp 23-48.

PI00031766

FTD-TT-65-1088

Sci/Navigation, Communications  
Detection, & Countermeasures  
Sep 66

309,468

Abstracts of High-Speed Camera  
a. Abstract. 1957.

1957, Vol. 1, Part 1, 1957 Mechanics, Vol. 1, 1957  
1957, No 7, 1957, pp 42-53.

British Iron and Steel Ind  
(no number given)

Vol - 1957  
Sep 54

98, 146

Investigations of Wire Flattening, by F. Tychowski,  
M. Olszewski. UNCL

POLISH, per, Prace Inst Mech, No 18, Warsaw, 1956,  
pp 29-40.

British Iron and  
Steel Ind E 1248  
(not included in BSIS UNless  
two are requested.)

Sci - Engr  
Apr 59

Calculations of Force and Condition of Rotation  
of Rolls in Drawing on the Roll-Die, by F. Tychowski.  
UNCL

POLISH, per, Prace Inst Mech, No 18, Warsaw, 1956,  
pp 41-52.

British Iron and Steel  
Ind E 1249 (Not included  
in BISI unless two are  
requested.)

Sci - Engr  
Apr 59

Heat Treatment of Iron and Steel (0.45% C)  
in Magnetic Field, by Voman Skorski.  
FOR GOVERNMENT USE ONLY  
POLISH, per, Prace Instytutow Mechaniki,  
Ministerstwo, Przemyslu (Ciężkiego), Vol VI,  
No 21, 1957, pp 1-32. 9696444

DOC RSIC-292

Sci - M/H

Apr 65

278,246